RS-28 OCTOBER 1976

RICE Situation

ECONOMIC RESEARCH SERVICE • U.S. DEPARTMENT OF AGRICULTURE

Table 1.--Rice, rough equivalent: Supply, distribution and prices United States, average 1965-69, annual 1973-76 1/

Item	1965-69: average	1973	1974	1975 (Prel.)	1976 (Proj.)
	Year beginning August				
	- - - - Million cwt. - - - -				
Supply					
Carryover August 1	9.5	5.1	7.8	7.1	36.9
Production	89.3	92.8	112.4	127.6	110.2
Imports	.2	.2	2/	2/	---
Total supply	99.0	98.1	120.3	134.7	147.1
Domestic disappearance					
Food 3/	24.6	26.1	28.6	27.7	29.5
Seed	2.8	3.6	4.0	3.4	3.3
Used by brewers	5.6	8.1	8.4	9.1	10.0
Total	33.0	37.8	41.0	40.2	42.8 ±1.0
Exports	52.9	49.7	69.5	56.5	61.5 5.0
Total disappearance	85.9	87.5	110.5	96.7	104.3 ±5.0
Carryover July 31	11.3	7.8	7.1	36.9	42.8 ±7.0
Privately owned--"Free"	(8.5)	(7.8)	(7.1)	(17.7)	
Total distribution	97.2	95.4	117.6	133.6	147.1
Difference unaccounted 4/	+1.8	+2.7	+2.7	+1.1	
	- - - - Dollars per cwt. - - - -				
National average loan rate	4.57	6.07	7.54	8.52	5/6.19
Price received by farmers	4.96	13.80	11.20	7.93	
Difference between farm and loan	.39	7.73	3.66	-0.59	

1/ Data apply to only major rice-producing States. Milled rice converted to rough basis at annual extraction rate. Totals may not add due to independent rounding.

2/ Less than 50,000 cwt.

3/ Includes shipments to U.S. territories and rice for military food use at home and abroad.

4/ Results from loss, waste, the variation in conversion factors and incomplete data.

5/ Target price under the Rice Production Act of 1975 is $8.25.

*See tables 2 and 3 for milled and rough rice supply and distribution.

THE RICE SITUATION

CONTENTS

• • •

Approved by
The Outlook and Situation Board
and Summary released
September 23, 1976

Principal contributors:

James J. Naive
Mellie L. Warner
William F. Hall

Commodity Economic Division
Economic Research Service

U.S. Department of Agriculture
Washington, D.C. 20250

• • •

The *Rice Situation* will be published in early 1977.

SUMMARY

Record U.S. Rice Supply Keeps Pressure on Prices

The 1976/77 U.S. rice marketing year has been kicked off with a record supply in prospect and a new rice program in effect. The buildup in world rice supplies the past 3 years may reverse if early indications hold and the world crop declines for the first time since 1972. While U.S. exports are expected to rise in 1976/77, it appears that U.S. stocks could still be record large at season's end.

Record large stocks of 37 million cwt. were on hand at the start of the 1976/77 season, but half were inventories of the Commodity Credit Corporation (CCC). Still, stocks in private ownership were also at all time highs.

Reduced plantings last spring resulted in a crop 14-percent below 1975's record 128 million cwt. Domestic use is likely to rise modestly if food use follows recent trends and brewers continue to increase their use of rice. After a sharp dropoff last season, both commercial and PL 480 exports may rise substantially in 1976/77 because of smaller prospective crops in major producing countries and expected expansion of world consumption. Also some export sales made last year were carried over into 1976/77. With early shipments under PL 480 much heavier, export commitments have been running well ahead of last year's pace.

While total U.S. disappearance is likely to be larger, stocks at year's end will increase unless the world rice crop worsens from current prospects. Thus, large supplies will continue to dominate marketings and keep prices under pressure although CCC will continue to hold large stocks which are isolated from the market at current prices. Early season farm prices have averaged a third below a year ago and the average for the 1976/77 season likely will be well below the $7.93 per cwt. estimated for 1975/76. Thus, under the new rice program with a target price of $8.25, growers will receive deficiency payments on their allotment production.

Reduced Acreage Accounts for Smaller 1976 Rice Crop

As of September 1, the 1976 rice crop, the first of two crops to be grown under the Rice Production Act of 1975[1], was estimated at 110 million cwt., 14 percent less than last year's record. Planting decisions last spring were based on market conditions affecting rice and competing crops and growers' expectations for the future. So with sharply increasing rice stocks, the lowest rice prices in 4 years, and strong soybean and cotton markets, growers reduced plantings 13 percent from the 2.8 million acres in 1975. Most of the reduction in acreage was in California, Arkansas, and Louisiana. If production patterns for classes follow recent years, the production decline will be less for long grain rice than for medium and short grain.

The average U.S. yield is forecast at 4,528 pounds per acre, about the same as in 1975. Yields in Texas, Mississippi, Missouri, and Arkansas are expected to be above a year ago but should be offset by expected lower yields in Louisiana and particularly in California. Rice crops were planted under good conditions and developed well during the growing season. Harvests in the South were delayed by wet weather but once open weather began in July and persisted, harvests progressed rapidly. At the end of September, harvests in Texas and Louisiana were virtually completed and in Arkansas and Mississippi were around half completed.

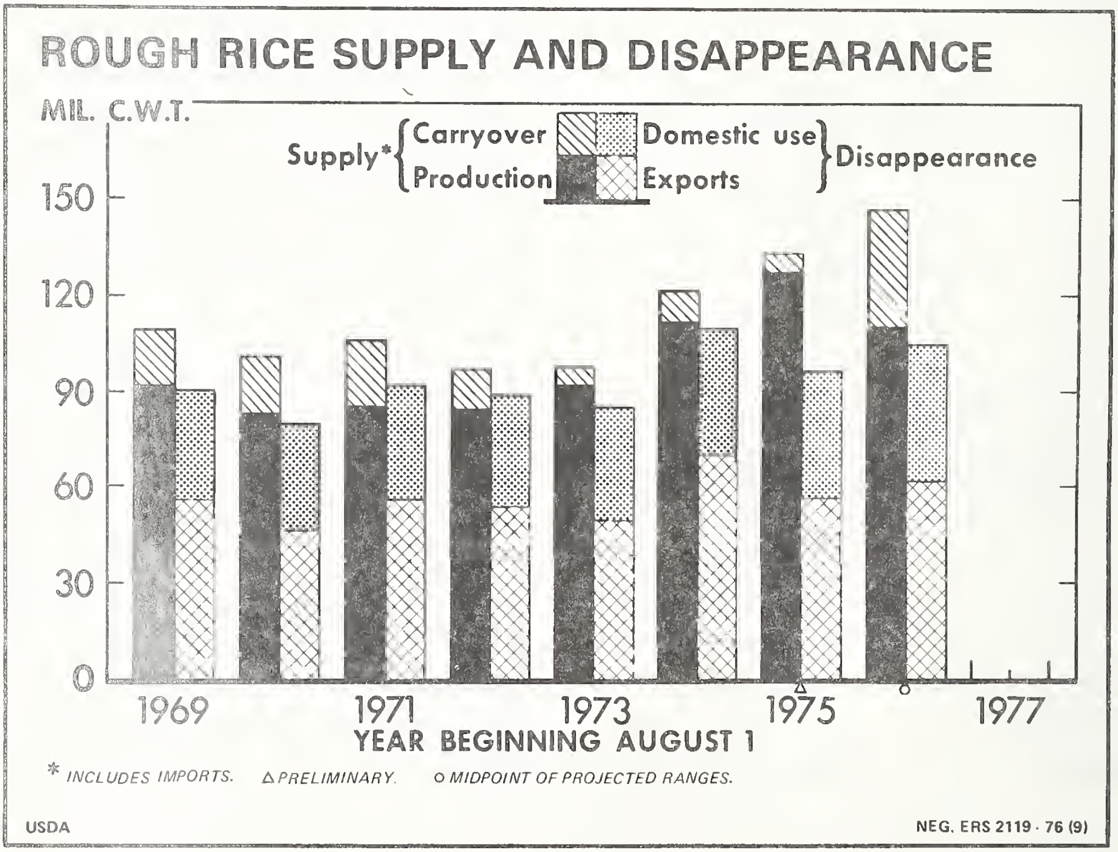
Growing conditions in California, however, were less favorable because of cool, wet weather and yields are estimated to be down about 5 percent

Rice Production

State	1973	1974	1975[1]	1976[2]
	Million cwt.	*Million cwt.*	*Million cwt.*	*Million cwt.*
Texas	20.6	25.3	25.0	24.3
Arkansas	25.4	32.9	40.0	36.2
Louisiana	21.4	24.1	25.0	22.1
California	22.5	25.1	30.1	21.7
Mississippi	2.7	4.5	6.7	5.2
Missouri	.2	.5	.8	.7
U.S. Total	92.8	112.4	127.6	110.2

[1] Preliminary. [2] Indicated as of September 1.

[1]For a discussion of the rice program see March issue of the *Rice Situation*, Econ. Res. Serv., USDA, RS-27, March 1976.



from last year's record high 5,730 pounds per acre. At the end of September, harvest was moving into full swing.

Record Stocks and Supplies

Rice stocks on August 1 totaled a record high 36.9 million cwt., more than five times last year's carryover. All rice classes were up, with long grain rice accounting for 44 percent of total stocks; medium grain 46 percent; and short grain 10 percent. Both milled and rough rice stocks jumped sharply with the larger gain coming in rough rice which totaled 31.4 million cwt. compared with only 4.0 last year. Milled stocks, which increased 80 percent to 5.5 million cwt. (rough equivalent), were the largest since 1959 due to the unusually large carryover of export sales.

Rice carryover by class August 1, 1975 and 1976

Class	Rough		Milled[1]		Total	
	1975	1976	1975	1976	1975	1976
	1,000 cwt.	*1,000 cwt.*	*1,000 cwt.*	*1,000 cwt.*	*1,000 cwt.*	*1,000 cwt.*
Long	1,450	14,258	926	1,927	2,376	16,185
Medium	1,263	13,586	1,444	3,391	2,707	16,977
Short	1,336	3,506	638	212	1,974	3,718
Total	4,049	31,350	3,008	5,530	7,057	36,880

[1] Rough equivalent.

CCC inventories account for about 19 million cwt. of rough rice stocks and since its minimum sales price is about $9.90 per cwt. (115 percent of the target price plus carrying charges) this quantity is essentially isolated from the market. Another 5.5 million cwt. of carryover was earmarked as carryover export sales, so around 12 million cwt. of rough rice was actually carried in private hands, still well above levels of recent years.

Despite a smaller 1976 crop, the larger stocks increase total supplies in 1976/77 to another record 147 million cwt. This marks the fourth year of increasing supplies and the third record high in a row.

Long grain rice will again account for over 50 percent of total supplies. Supplies of long and medium grain rice are up, but total short grain supplies are down from last year.

Domestic Use Likely to Increase

Food use, which includes shipments to territories, is expected to follow the uptrend of recent years. Also, retail prices of rice have been edging down while prices of competing foods have held steady or increased moderately.

Brewers' use in 1976/77 will likely continue to increase if beer sales of those firms using rice follow recent trends. Additional brewers may be shifting to rice since brewers' rice is priced well under corn grits, the major competing ingredient.

Should these projections hold, domestic use would total around 5 percent above the 40 million cwt. of last season.

Exports Likely Higher in 1976/77

The change in U.S. 1976/77 exports from last season's 56.5 million cwt. (1.8 million metric tons, milled) hinges on the outcome of the world rice harvest which is still uncertain. Early indications point to a smaller world rice crop and with expanded world rice consumption expected, U.S. exports are likely to be larger than last season though short of the record 70 million cwt. (2.3 million metric tons) in 1974/75.

One factor bolstering export expectations is the carryover of about 5.5 million cwt. (180,000 metric tons) of sales into this season. With these sales, higher expected PL 480 shipments, and anticipated increased commercial sales, exports might be around a tenth larger than last season.

Announced program plans indicate that early shipments under PL 480 will be heavier than in recent years. These exports during August-December are likely to total around 500,000 metric tons compared to only about 200,000 tons last year. About 300,000 tons are expected to move during October-December.

As of September 12, export commitments (outstanding sales plus shipments) totaled about

Rough rice: U.S. supply by class, 1975 and 1976

Item	1975				1976			
	Long	Medium	Short	Total	Long	Medium	Short	Total
	1,000 cwt.	*1,000 cwt.*	*1,000 cwt.*	*1,000 cwt.*	*1,000 cwt.*	*1,000 cwt.*	*1,000 cwt.*	*1,000 cwt.*
Carryover	2,376	2,707	1,974	7,057	16,185	16,977	3,718	36,880
Production[1]	63,059	51,948	12,617	127,624	58,794	41,714	9,682	110,190
Total supply	65,435	54,655	14,591	134,681	74,979	58,691	13,400	147,070

[1] 1976 by classes stimated.

U.S. Milled rice exports to leading countries, August-July 1975/76 with comparisons

Country	1973/74	1974/75	1975/76
	1,000 metric tons	*1,000 metric tons*	*1,000 metric tons*
Korea, Republic of	121	499	180
Iran	42	451	163
Bangladesh	([1])	295	241
Cambodia	205	175	—
Iraq	9	110	81
Saudi Arabia	94	72	132
Canada	81	61	74
South Vietnam	301	—	—
South Africa, Rep. of .	86	65	95
EC-9	161	129	233
Indonesia	60	42	42

[1] Less than 500 metric tons.

600,000 tons (milled), well above last year. This reflects commercial purchasers' response to relatively low prices and earlier programming of PL 480 shipments.

Another Large Carryover in Prospect

Even with total disappearance up about 10 million cwt. to 104 million, there still would be some further buildup in carryover at the end of the 1976/77 marketing year. This suggests that prices could continue under pressure and CCC will continue to hold large inventories of rice.

Price Weakness Continues

Early season rice prices indicate that large U.S. and world supplies of food grains continue to weigh heavily on the marketplace. Early new crop quotes are running around $3.00 per cwt. below last year. The mid-August farm price was $6.44 per cwt., a third below August 1975. Wholesale milled price quotes during August and September were off at least 20 percent from year-earlier levels for long and medium grain rice at southern milling centers and 40 percent for short and medium grain in California.

Rough rice: Average weekly prices received by farmers in Louisiana, 1975 and 1976

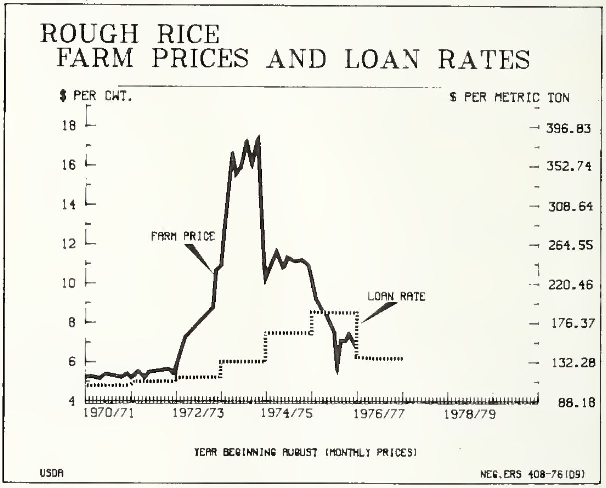
Week ending		Long grain 1975	Long grain 1976	Medium grain 1975	Medium grain 1976
		Dollars per hundredweight			
August	20	N.A.	6.27	N.A.	6.04
	27	9.29	6.48	9.11	6.30
September	3	9.33	6.37	8.79	6.43
	10	8.76	6.32	8.84	6.52
	17	8.82	6.79	8.33	6.56

Source: Rice Market News Service, AMS, Baton Rouge, La.

N.A.—Not available.

This season's average price for rice could be well below the $7.93 per cwt. estimated for 1975/76. If so, deficiency payments will be made to allotment holders. The target price for the 1976 crop is $8.25 per cwt. and the deficiency payment rate would be equal to the difference between the target price and the national average price received by farmers for the first 5 months of the marketing year (August-December), unless the national 5-month average price falls below the loan rate ($6.19). In that case it would be the difference between the target price and the loan rate. Payments will be made on allotment production only (about 83.5 million cwt.).

While current prospects for sharp price advances appear slim, there is still much uncertainty over the world crop and subsequent export demand. Grower strategies on storage and marketing also will influence seasonal patterns and growers are showing increasing willingness to hold inventories.



New Procedure for Estimating Farm Prices

The Statistical Reporting Service (SRS) has developed a new procedure to improve the estimation of average monthly market prices received by rice farmers. The increasing importance of cooperatives in marketing and milling has resulted in fewer public markets which are the usual sources of reported farm prices. Thus, these markets have tended to represent a smaller portion of farmer marketings. Another problem in reporting monthly prices stemmed from the method of payment made by cooperative mills to producers. Members do not know the prices they will receive when they deliver rice to the co-op because they are only paid a partial sum, followed by several interim payments, and a final payment near the end of the milling season. For example, with cooperative mills dominant in California, SRS has only reported a season average for that State, not monthly prices.

Under the new procedure, SRS will compute a monthly average price received by farmers for rough rice, weighted by actual sales or purchases. The monthly price will be computed by weighting together the following:

(1) Rough rice prices that would be paid to members of organizations settling with growers on the basis of mill returns, computed as if that month were the total marketing period; and

(2) Rough rice prices received by farmers as reported by mills making cash purchases. The price reported by each firm will be weighted by the quantity of rough rice purchased or the quantity of rough rice used in milled rice sold, depending on type of settlement used.

SRS will publish at the end of each month the following:

(1) A preliminary monthly price received by farmers for the current month covering the first 15 days of that month; and

(2) A revised monthly price received by farmers for the previous month, based on that full month's activity.

A weighted average price received by farmers during the first 5 full months of the marketing year (August through December) will then be calculated. Weights will be quantities of rice sold or used in milling each month. This weighted average price, which will be published about January 31, 1977 and 1978, will be used to determine the deficiency payment rate should the weighted average price fall below the target price.

Retail Prices Continue To Edge Downward

The downward drift in retail rice prices which started in July of 1974 continued over the last year. In April-June U.S. long grain prices averaged 44.0 cents per pound, down over 3 cents from last year and over 9 cents from 1974 when prices for that quarter peaked. There may be some continuation of this trend with farm prices running at low levels. Also, inflationary forces that tend to widen the farm-retail spread, especially energy-related costs, have lessened.

The net farm value declined almost 6 cents from 16.1 cents in April-June 1975 to 10.4 cents during the same quarter of 1976. The farmer's share of the retail rice price declined from 34 percent to 24 percent over the same period as the farm-retail spread widened to 33.6 cents. The net farm value is only about 40 percent above traditional levels while the farm-retail spread is more than double historic values.

Rice, long grain: Prices, value and farmer's share of retail price, by quarters, 1967-76

Year	Retail Price				Net Farm values[1]				Farm-retail spread				Farmer's share			
	Jan.-Mar.	Apr.-June	July-Sept.	Oct.-Dec.	Jan.-Mar.	Apr.-June	July Sept.	Oct.-Dec.	Jan.-Mar.	Apr.-June	July Sept.	Oct.-Dec.	Jan.-Mar.	Apr.-June	July Sept.	Oct.-Dec.
	Cents per lb.				*Cents per lb.*				*Cents per lb.*				*Percent*			
1967	21.8	21.9	21.9	22.0	7.5	7.5	7.0	7.4	14.3	14.4	14.9	14.6	34	34	32	34
1968	22.0	22.1	22.1	22.1	7.7	7.8	7.4	7.3	14.3	14.3	14.7	14.8	35	35	33	33
1969	22.3	22.4	22.5	22.6	6.9	7.0	6.7	7.2	15.4	15.4	15.8	15.4	31	31	30	32
1970	22.9	23.2	23.1	23.3	7.2	7.3	7.2	7.4	15.7	15.9	15.9	15.9	31	31	31	32
1971	23.6	23.8	24.0	24.0	7.8	7.7	7.7	7.7	15.8	16.1	16.3	16.3	33	32	32	32
1972	24.1	24.0	23.9	24.0	8.1	8.0	8.2	10.6	16.0	16.0	15.7	13.4	34	33	34	44
1973	25.2	26.7	28.2	42.9	11.6	12.3	15.1	22.7	13.6	14.4	13.1	20.2	46	46	54	53
1974	51.5	53.2	52.8	49.0	24.2	22.3	16.9	15.4	27.3	30.9	35.9	33.6	47	42	32	31
1975	47.4	47.4	47.4	46.1	16.1	16.1	14.4	12.4	31.3	31.3	33.0	33.7	34	34	30	27
1976	44.7	44.0			10.3	10.4			34.4	33.6			23	24		

[1] Payments to farmers for equivalent quantities of rough rice (gross farm value) minus imputed value of by-products obtained in processing.

Source: National Economic Analysis Division, ERS.

WORLD RICE SITUATION[1]

Smaller 1976/77 Crop Suggested by Early Sputter in Monsoon; Larger Stocks Offsetting

Tardy early-season monsoon rains point to a 1976/77 world rice crop about 11 million metric tons less than last season's record 354 million metric tons (rough). This would be the first reduction since 1972. However, weather patterns since mid-July have been generally favorable so production is still well above the 1974/75 crop. Moreover, larger carryover stocks are likely to be offsetting so the 1976/77 world rice supply may differ little from last year.

[1] Based primarily on FAS, *World Grain Situation: 1976/77 Crop Developments*, FG 24-76, (September 15, 1976) and selected Agricultural Attache dispatches. Production is rough and trade is milled.

The 1976/77 rice crop in *India*, the world's second largest rice producer, is projected down around 9 percent or 6 million tons and accounts for most of the decrease in 1976 world production. A belated early summer monsoon in several major producing States is responsible for the projected decrease.

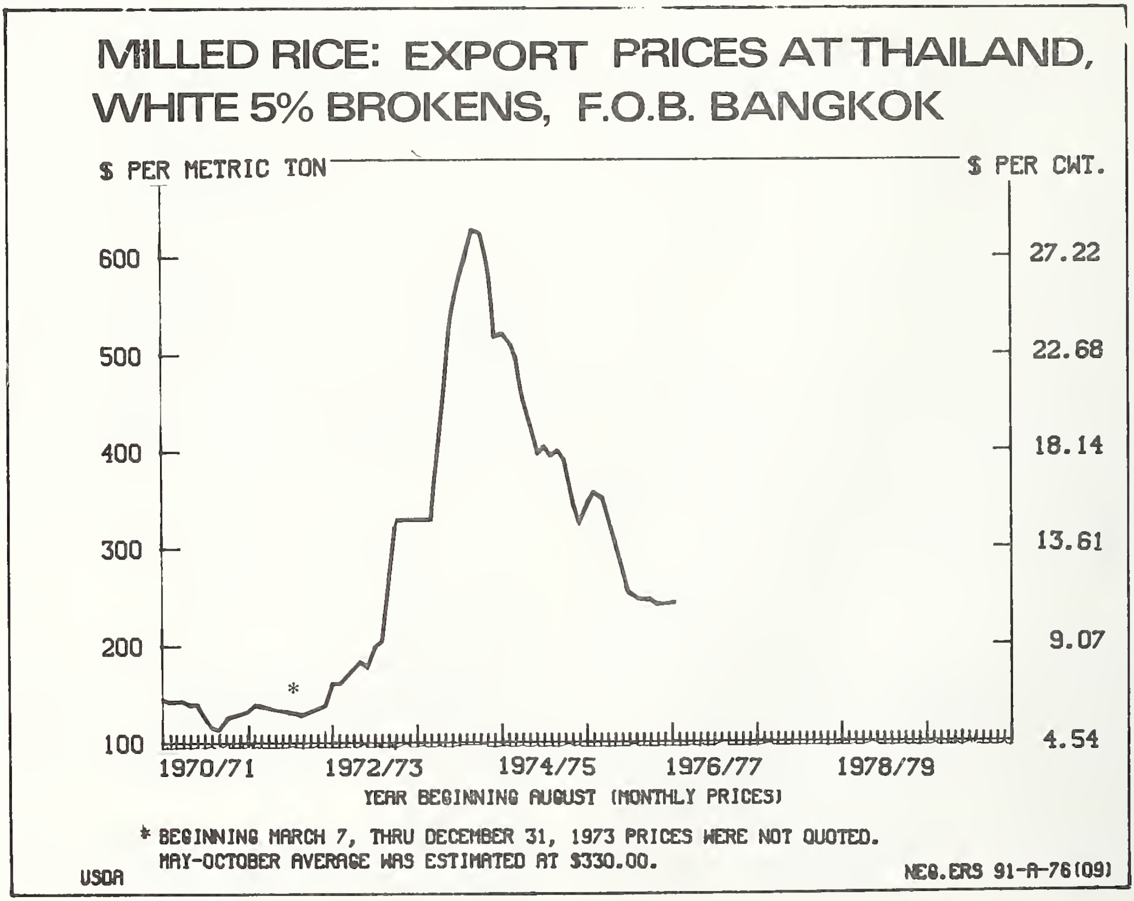
The major rice producers of *Southeast Asia's "Rice Bowl"*—Burma, Indonesia, and Thailand—are projected to produce only slightly more than last year's 47 million metric tons. Dry weather and disease have been problems, particularly in Thailand. Thailand's crop is expected to fall short of the 15 million tons harvested in 1975/76 by 3 to 5 percent due to pest infestation and drought. And Indonesia, the region's leading producer, is expected to harvest a rice crop around 1975's 22.6 million metric tons.

Weather in *Bangladesh* has generally been favorable, however, and rice production there is projected at 18.8 million tons, 700,000 tons below last year but the third good crop in succession. The good rice harvest last year and large food grain imports alleviated that country's food crisis, lowered rice prices, and provided sizable carryover into 1976/77.

For the *Peoples Republic of China (PRC)*, the world's leading rice producer, 1976 production is projected below 1975's record high output. Based on fragmentary information, the early rice crop, which accounts for 40 to 45 percent of the total, was adversely affected by unfavorable weather conditions at planting time. The intermediate and late rice crops were planted later than usual and seem unlikely to be better than last season's.

South Korea's 1976 rice output is projected at 6.7 million tons, up 3 percent over 1975 and the third consecutive record crop. This year's record is due to an increase in yield from 5.3 metric tons per hectare in 1975 to 5.5 tons in 1976. The rice area has held at around 1.2 million hectares for the past 3 years while yields have increased.

Sri Lanka (Ceylon) is suffering from the second consecutive year of drought. Its 1976 rice crop may fall to around 1 million tons, down about a third from the 1974 crop. Domestic production usually supplies half the country's consumption requirements. However, all of the shortfall in domestic production will not be made up by rice imports because wheat flour is cheaper on a pound-for-pound basis. Most of the rice will come from the PRC, Pakistan, Burma, and Thailand under barter



agreements, while wheat flour will come mostly from the United States, France, and Australia. The government is expected to import 600,000 tons of flour and about 475,000 tons of rice in 1977.

Pakistan, a relatively small rice producer but an important exporter, suffered from extensive flooding in August. This year's rice crop is projected at 3.5 million tons, down 10 percent from last year's record crop. Cropped area damage (including rice and cotton) was reported at about 0.7 million hectares. It is estimated rice export availabilities will be reduced by about 200,000 tons in the coming year.

Japan's 1976 rice crop is projected at 15.6 million tons, down 5 percent from last year's exceptionally good harvest. This year's yield rate is expected to be 5 percent less than in 1975. Japanese policy seeks to keep annual rice production and consumption constant at around 12 million tons brown rice basis. A rice land diversion program was in effect to support that policy. Without this program, rice production might have been higher. Carryover stocks are expected to increase this year and, accordingly, the diversion program will likely be extended to the 1977 crop.

World 1977 Milled Rice Trade Projected Over 7 Million Tons

The United States, PRC, Burma, and Thailand account for around 60 percent of world rice exports. For calendar 1977, exports will probably be up for the PRC and the United States but down for Pakistan and Thailand.

On the import side, the Economic Community, Indonesia, Iran, and Sri Lanka (Ceylon) will likely import more in 1977 than in 1976, while Bangladesh, South Korea, and the Philippines will import less.

World Rice Prices Leveling Off

Prices on the international market appear to have leveled off after a nearly continuous 3-year decline. During the 1975/76 U.S. marketing year, the Thai price for white milled rice (5 percent brokens) decreased from $348 a ton in August 1975 to $248 in March 1976 and then held steady through August 1976. Prices rose somewhat in September reflecting uncertainty over the Asian rice crop and the possible drawdown in world rice stocks at the end of 1976/77.

Rice export prices for Thailand and the United States

Year and months	Bangkok, f.o.b. white 5% broken	U.S. No. 2 long grain f.o.b. mill Houston
	Dollars per metric ton	*Dollars per metric ton*
Crop year		
1973/74	583	700
1974/75	423	486
1975/76	287	403
1975/76		
August	348	472
September	358	452
October	353	424
November	330	424
December	307	413
January	274	403
February	253	397
March	248	377
April	246	375
May	246	375
June	242	366
July	244	362
1976/77		
August	243	342
September[1]	265	320

[1] 4 week average.

Note: This table indicates the direction of U.S. and Thailand rice prices since 1973, but should not be taken to imply that the types of rice specified above are of comparable quality.

NATIONAL AGRICULTURAL OUTLOOK CONFERENCE

U.S. DEPARTMENT OF AGRICULTURE	WASHINGTON, D.C.	NOVEMBER 15-18, 1976

A GAVEL-TO-GAVEL INVITATION

Be there when the "gavel" falls at USDA's Thomas Jefferson Auditorium, Washington, D.C., for this year's National Agricultural Outlook Conference, Nov. 15-18. Share the latest future intelligence in outlook sessions on the U.S. agricultural and general economies, world trade, weather patterns, retail food supplies and prices, emerging farm policy issues, farm inputs, food marketing and distribution, and the major farm commodities. Attend the sessions of your choice or be there "gavel to gavel." There is no cost to attend and no advance reservations are required. For a schedule of the Conference, call (202) 447-7255 or write: U.S. Department of Agriculture, ERS-Division of Information, Room 0054 South Bldg., Washington, D.C. 20250.

Table 2.--Rice, rough: Supply and distribution, United States, average 1965-69, annual 1971-75 1/

Item	Year beginning August					
	Average 1965-69	1971	1972	1973	1974	1975 2/
	- - - - 1,000 cwt. - - - -					
Beginning carryover	6,507	14,892	8,424	2,939	3,954	4,049
Farm production	89,345	85,768	85,439	92,765	112,394	127,624
Supply	95,852	100,660	93,863	95,704	116,348	131,673
Seed	2,814	2,500	3,032	3,609	4,003	3,400
Exports (rough only)	159	62	15	6	10	10
Used by mills	82,910	87,924	85,389	85,440	105,626	95,818
Total disappearance	85,883	90,486	88,436	89,055	109,639	99,228
Ending carryover	8,169	8,424	2,939	3,954	4,049	31,350
Statistical discrepancies 3/	+1,800	+1,750	+2,488	+2,695	+2,660	+1,095

1/ Includes supply and distribution of rough rice only. See table 1 for rice, rough equivalent.
2/ Preliminary.
3/ Results from loss, waste, the lack of data on other uses, and incomplete data.

Table 3.--Rice, milled basis: Supply and distribution, United States, average 1965-69, annual 1971-75 1/

Item	Year beginning August					
	Average 1965-69	1971	1972	1973	1974	1975 2/
	- - - - 1,000 cwt. - - - -					
Beginning carryover	2,162	2,752	2,196	1,606	2,803	2,164
Mill production 3/	60,199	64,148	62,325	61,589	75,965	67,440
Imports	132	803	381	117	23	31
Supply	62,493	67,703	64,902	63,312	78,791	69,635
Food						
Shipments to territories	2,915	3,962	3,630	2,736	4,319	4,130
Used by military	145	183	151	162	164	151
Civilian consumption	14,789	14,452	14,506	15,891	16,115	15,288
Total food	17,849	18,597	18,287	18,789	20,598	19,569
Used by brewers	4,095	5,407	5,585	5,875	6,015	6,391
Exports	38,320	41,503	39,424	35,845	50,014	39,783
Total disappearance	60,264	65,507	63,296	60,509	76,627	65,743
Ending carryover	2,229	2,196	1,606	2,803	2,164	3,892
Per capita civilian consumption (pounds)	7.5	7.0	7.0	7.6	7.7	7.2

1/ Includes supply and distribution of milled rice only. See table 1 for rice, rough equivalent.
2/ Preliminary.
3/ Production of heads, second heads, screenings, and brewer's rice

Table 4 .--Rice, rough equivalent: Summary of supply, distribution, prices, and value, United States, 1968-76*

Item	Unit	1968/69	1969/70	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76 1/	1976/77 1/
Acreage and Yield										
Allotment	1,000 acres	2,400.6	2,160.5	1,836.5	1,836.5	1,836.5	2,222.1	2,100.0	1,802.9	1,800.0
Planted acreage	"	2,366.6	2,140.6	1,825.8	1,826.0	1,824.0	2,181.3	2,555.0	2,818.0	2,451.0
Harvested acreage	"	2,353.4	2,128.4	1,814.7	1,817.9	1,817.9	2,170.2	2,536.0	2,802.0	2,433.5
Yield per harvested acre	Pounds	4,425	4,318	4,618	4,718	4,700	4,274	4,432	4,555	4,528
Supply and Utilization										
Beginning carryover (August 1)	Mil. cwt.	6.8	16.2	16.4	18.6	11.4	5.1	7.8	7.1	36.9
Production	"	104.1	91.9	83.8	85.8	85.4	92.8	112.4	127.6	110.2
Imports	"	2/	.2	1.4	1.1	0.5	0.2	2/	2/	---
Total supply	"	110.9	108.3	101.6	105.5	97.3	98.1	120.3	134.7	147.1
Food	"	26.9	23.5	25.1	25.5	25.1	26.1	28.6	27.7	29.5
Seed	"	2.9	2.5	2.5	2.5	3.0	3.6	4.0	3.4	3.3
Used by brewers	"	5.8	7.1	6.8	7.4	7.6	8.1	8.4	9.1	10.0
Total domestic	"	35.6	33.1	34.4	35.4	35.7	37.8	41.0	40.2	42.8 ±1.0
Dollar exports	"	25.6	24.9	17.8	15.9	25.1	31.8	44.4	35.6	---
AID	"	---	---	4.7	3.5	3.5	---	---	---	---
PL-480	"	30.5	32.0	24.0	37.5	25.4	17.9	25.1	20.9	---
Total exports	"	3/56.1	3/56.9	3/46.5	56.9	54.0	49.7	69.5	56.5	61.5 ±5.0
Total disappearance	"	91.7	90.0	80.9	92.3	89.7	87.5	110.5	96.7	104.3 ±5.0
Ending carryover (July 31)	"	16.2	16.4	18.6	11.4	5.1	7.8	7.1	36.9	42.8 ±7.0
Difference unaccounted 4/	"	+3.0	+1.9	+2.1	+1.8	+2.5	+2.7	+2.7	+1.1	
Per capita civilian consumption (milled basis)	Pounds	8.3	6.7	7.7	7.0	7.0	7.6	7.7	7.2	
Prices and Value										
Parity price	Dol. per cwt.	6.92	7.26	7.47	7.79	8.10	9.33	11.60	13.10	13.60
Support price	"	4.60	4.72	4.86	5.07	5.27	6.07	7.54	8.52	5/6.19
Level of support	Percent	66.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	
Season average price	Dol. per cwt.	5.00	4.95	5.17	5.34	6.73	13.80	11.20	7.93	
Value of production	Mil. dol.	521.2	455.0	433.2	457.7	574.9	1,280.0	1,261.4	1,011.4	

1/ Preliminary.

2/ Less than 50,000 cwt.

3/ Adjusted on basis of bills of lading presented to the USDA for payment.

4/ Results from loss, waste, the variation in conversion factors, and the lack of data on other uses.

5/ Target price under the Rice Production Act of 1975 is $8.25.

*Totals may not add due to independent rounding.

Table 5 .--Rice, rough equivalent: CCC operations and privately held stocks, 1965-75

Crop of-	Placed under price support: Loans	Direct purchases 1/	Total	Delivered to CCC 1/	At year end July 31: Total carry-over	CCC stocks and loans outstanding: Stocks owned by CCC 2/	Under loan 2/	Total	Privately held ("Free") stocks 3/
					1,000 cwt.				
1965	9,813	184	9,997	403	8,239	614	7	621	7,618
1966	14,362	5	14,367	119	8,511	140	92	232	8,279
1967	16,352	2	16,354	39	6,784	82	4	86	6,698
1968	23,640	640	24,280	6,320	16,211	6,087	238	6,325	9,886
1969	22,671	1,841	24,512	2,993	16,446	6,407	10	6,417	10,029
1970	20,787	733	21,520	3,528	18,634	9,329	138	9,467	9,167
1971	31,235	107	31,342	1,214	11,434	2,720	27	2,747	8,687
1972	22,926	---	22,926	1	5,139	148	---	148	4,991
1973	19,146	---	19,146	---	7,842	---	---	---	7,842
1974	9,256	---	9,256	---	7,057	---	4	4	7,053
1975 4/	21,474	1,781	23,255	18,928	36,880	18,928	215	19,143	17,737

1/ Includes purchase agreements through 1963 marketing year and direct purchases thereafter.

2/ May include small quantities of new-crop rice in last few years.

3/ Derived by subtracting CCC stocks and loans outstanding from total carryover.

4/ Crop year 1975 based on operating reports, prior years based on fiscal reports.

Table 6 .--Rice, rough: Acreage, yield and production, by States, 1975 and 1976

State	Acreage: Planted 1975	Planted 1976 1/	Harvested 1975	Harvested 1976 1/	Yield per harvested acre 1975	1976 1/	Production 1975	1976 1/
	1,000 acres				Pounds		1,000 cwt.	
Southern States:								
Missouri	18.0	16.0	18.0	15.5	4,210	4,300	758	667
Mississippi	175.0	135.0	171.0	130.0	3,900	4,000	6,665	5,200
Arkansas	885.0	790.0	882.0	787.0	4,540	4,600	40,053	36,202
Louisiana	660.0	590.0	658.0	588.0	3,810	3,750	25,064	22,050
Texas	550.0	520.0	548.0	518.0	4,560	4,700	24,996	24,346
Total Southern	2,288.0	2,051.0	2,277.0	2,038.5	4,284	4,340	97,536	88,465
California	530.0	400.0	525.0	395.0	5,730	5,500	30,088	21,725
Total United States 2/	2,818.0	2,451.0	2,802.0	2,433.5	4,555	4,528	127,624	110,190

1/ Preliminary.

2/ Total U.S. acreage and production reported by the Statistical Reporting Service. Excludes acreage and production in the minor Southern States.

Table 7.--Rice: Stocks, rough and milled, United States, for selected dates, 1973-76 1/

Year	Rough: On farms or in farm warehouses	Rough: At mills and in attached warehouses	Rough: In warehouses (not attached to mills)	Rough: In ports or in transit	Rough: Total all positions	Milled: At mills and in attached warehouses	Milled: In warehouses (not attached to mills)	Milled: In ports or in transit	Milled: Total all positions
	1,000 cwt.					1,000 cwt.			
	January 1					January 1			
1973	4,714	13,703	30,427	---	48,844	1,787	426	2,086	4,299
1974	7,732	13,651	30,783	1	52,167	2,650	127	1,117	3,894
1975 2/	13,619	15,177	39,769	160	68,725	2,959	634	699	4,292
1976 2/	24,596	14,597	51,736	0	90,929	2,259	1,522	785	4,566
	April 1					April 1			
1973	1,476	9,142	13,638	11	24,267	3,479	52	1,354	4,885
1974	1,537	10,048	15,113	14	26,712	2,459	12	2,783	5,254
1975 2/	2,919	10,579	20,823	24	34,345	2,961	22	1,286	4,269
1976 2/	12,746	11,717	38,697	67	63,227	3,232	245	1,626	5,103
	August 1					August 1			
1973	94	1,931	914	---	2,939	1,389	21	196	1,606
1974	77	2,589	1,278	10	3,954	2,258	22	523	2,803
1975 2/	62	1,455	2,462	70	4,049	1,589	58	517	2,164
1976 2/	662	5,850	24,829	9	31,350	2,380	271	1,241	3,892

1/ These estimates do not include stocks located in States outside the major producing States of Missouri, Mississippi, Arkansas, Louisiana, Texas, and California.

2/ Preliminary.

Table 8.--Rice, U.S.: Rough milled, total milled production and yields, 1965-75

Year beginning August	Rough milled	Total milled produced 1/	Milling yields	Total heads produced 1/	Milling yields
	1,000 cwt.		Pounds per cwt.	1,000 cwt.	Pounds per cwt.
1965	70,594.6	50,377.3	71.36	42.862.2	60.72
1966	80,209.8	58,381.6	72.79	49,903.2	62.22
1967	88,115.7	64,079.7	72.72	54.405.5	61.74
1968	89,086.4	65,240.1	73.23	55,771.2	62.60
1969	86,544.3	62,349.6	72.04	53,138.3	61.40
1970	77,325.6	56,870.0	73.55	49,533.4	64.06
1971	87,924.6	64,148.2	72.96	55,346.8	62.95
1972	85,389.0	62,325.3	72.99	53,880.3	63.10
1973	85,439.8	61,588.8	72.08	52,689.8	61.67
1974	105,626.1	75,965.2	71.92	64,639.9	61.20
1975 2/	95,818.0	67,440.5	70.38	57,597.6	60.11

1/ Includes brown rice.

2/ Preliminary.

Based on reports from the Rice Millers Association and San Francisco Rice Market News.

Table 9 .--Rice: Value factors for computing support rates, and U.S. average loan rate, 1972-76 1/

Group and Variety	1972	1973	1974	1975	1976 1/
	- - - -	-	Cents per lb.	-	- - - -
National average loan rate	5.27	6.07	7.54	8.52	6.19
Head rice, whole kernels					
Long	8.89	10.33	12.64	14.41	10.75
Medium	8.39	9.58	11.89	13.16	9.25
Short	8.39	9.58	11.89	13.16	9.25
Broken rice, all classes	4.48	5.03	6.00	6.30	4.75
Premiums and Discounts by Grades					
U.S. No. 1	+.10	+.10	+.05	+.05	+.05
2	0	0	0	0	0
3	-.15	-.15	-.15	-.15	-.15
4	-.30	-.30	-.30	-.30	-.30
5	-.50	-.50	-.50	-.50	-.50

1/ The method of computing 1972-76-crop rough rice basic support rates is the same as that used in prior rice programs except that under the new rice standards, rice is classified by size and shape of kernel rather than variety. The basic support rates are applicable to No. 2 rice and will be adjusted by the above premium and discounts for U.S. grades per lbs. A further discount for location, to adjust for transportation costs of moving the rough rice to an area where competitive milling facilities are available will also be made for rice produced in certain areas.

Agricultural Stabilization and Conservation Service.

Table 10.--Rice, rough: Price per 100 pounds received by farmers, by States and United States, 1972-76

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season average 1/
						Dollars							
						Arkansas							
1972	5.70	6.70	7.20	7.60	8.20	8.50	8.50	8.50	8.50	8.80	8.80	2/	7.20
1973	2/	13.70	15.30	16.00	16.00	16.00	18.00	18.50	16.50	17.00	17.50	2/	15.30
1974 3/	10.55	11.15	11.50	11.75	10.90	11.50	11.75	12.00	11.75	11.75	11.75	2/	11.40
1975 3/	2/	8.95	8.70	8.60	8.60	8.25	7.50	6.50	7.45	7.45	7.75	2/	8.05
1976 3/	2/												
						Louisiana							
1972	5.20	6.00	6.80	7.30	7.60	8.00	8.20	8.40	8.80	8.80	2/	2/	6.40
1973	10.80	12.30	13.30	16.80	14.80	15.50	16.00	16.10	14.10	2/	2/	11.50	13.45
1974 3/	10.65	10.55	11.05	11.70	11.50	10.75	11.20	10.90	10.65	10.65	10.65	2/	11.00
1975 3/	9.55	9.10	8.90	8.60	8.10	8.10	7.70	5.80	6.90	8.00	6.65	2/	7.10
1976 3/	5.90												
						Mississippi							
1972	5.50	5.50	6.00	6.80	7.10	7.50	7.80	7.80	7.60	7.60	8.50	9.00	7.00
1973	2/	2/	14.50	18.00	17.50	16.50	18.00	18.00	14.00	2/	2/	2/	17.20
1974 3/	2/	10.10	10.45	10.55	9.90	10.00	10.20	10.45	10.00	10.00	2/	2/	10.20
1975 3/	2/	9.10	8.60	8.75	8.80	8.85	8.80	6.30	7.40	7.30	2/	2/	8.15
1976 3/	2/												
						Texas							
1972	5.50	6.20	6.90	7.10	7.50	7.50	8.00	8.20	8.50	8.50	8.70	11.00	6.44
1973	11.00	13.70	14.90	16.60	15.60	15.80	16.70	16.70	17.00	17.50	17.50	12.00	14.80
1974 3/	9.80	10.60	11.20	11.80	11.00	10.55	11.35	10.75	11.00	11.00	11.00	2/	10.90
1975 3/	10.10	9.80	9.55	8.50	8.20	7.00	6.85	5.15	6.95	6.25	2/	2/	9.00
1976 3/	7.00												
						United States 4/							
1972	5.34	6.37	7.05	7.42	7.64	7.84	8.14	8.26	8.51	8.56	8.74	10.80	6.73
1973	10.90	13.30	14.80	16.70	15.50	15.80	16.90	17.20	15.90	17.20	17.50	11.90	13.80
1974 3/	10.20	10.90	11.30	11.60	10.90	10.80	11.30	11.10	11.00	11.10	11.20	2/	11.20
1975 3/	9.80	9.14	8.85	8.59	8.44	7.95	7.54	5.91	7.09	7.06	7.32	2/	7.93
1976 3/	6.44												

1/ State and U.S. season average prices include an allowance for unredeemed loans and purchases by the Government, valued at the average loan rate, by States. Monthly prices do not include this allowance.

2/ Insufficient sales.

3/ Preliminary.

4/ California is excluded in the monthly averages but is included in the U.S. season average.

Table 11.--Rice, milled U.S. No. 2 f.o.b. mills: Average price of Southern head rice at milling centers, by months, 1973-76

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average
	- - - - Dollars per cwt. bagged - - - -												
	Houston, Texas, Long Grain												
1973	20.20	28.80	32.20	34.50	33.85	33.10	34.25	33.25	33.40	33.25	32.60	31.50	31.75
1974	22.50	21.00	20.90	22.40	21.75	22.50	22.40	22.25	22.25	22.25	22.25	22.25	22.05
1975	21.40	20.50	19.25	19.25	19.25	18.30	18.00	17.10	17.00	17.00	16.60	16.40	18.35
1976 1/	15.50												
	Houston, Texas, Medium Grain 2/												
1973	16.80	23.30	26.10	30.25	30.20	29.10	29.50	29.00	29.00	28.60	28.50	28.50	27.40
1974	22.00	20.20	18.75	20.05	20.00	20.25	19.75	19.50	19.50	19.50	19.50	19.50	19.90
1975	19.75	19.80	18.25	18.25	18.25	17.55	16.60	16.30	16.00	16.00	16.00	15.50	17.35
1976 1/	14.60												
	Arkansas, Long Grain												
1973	19.75	25.60	30.10	33.00	33.00	33.60	34.50	34.25	34.00	32.50	30.60	29.00	30.80
1974	25.90	22.40	21.90	23.00	23.00	22.75	22.10	22.50	21.55	21.25	21.25	21.25	22.40
1975	20.90	20.05	19.50	18.50	18.25	18.00	17.70	17.10	16.50	17.00	17.00	16.75	18.10
1976 1/	16.00												
	Arkansas, Medium Grain 2/												
1973	16.20	19.50	25.00	28.50	28.50	28.70	29.00	29.50	30.00	29.00	28.75	27.50	26.70
1974	25.40	20.80	20.75	21.50	21.50	21.40	21.00	21.00	20.45	20.20	20.00	20.00	21.15
1975	20.00	19.20	18.45	17.50	17.00	17.00	16.70	16.10	15.75	16.00	16.00	15.75	17.10
1976 1/	15.10												

1/ Preliminary. 2/ Mostly Nato.

Agricultural Marketing Service, Grain Division.

Table 12.--Rice, milled U.S. f.o.b. mills: Average price of Louisiana and California head rice at milling centers, by months, 1973-76

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average
	- - - - Dollars per cwt. bagged - - - -												
	Southwest Louisiana, Long Grain 1/												
1973	20.20	24.90	28.35	33.00	33.00	33.50	33.50	33.50	33.50	33.50	30.00	28.10	30.40
1974	26.67	20.10	20.19	21.00	22.00	21.50	21.50	21.50	21.50	20.00	20.90	21.50	21.55
1975 2/	20.55	18.30	18.00	18.00	17.60	17.40	16.50	15.50	15.30	16.60	16.50	16.25	17.20
1976 2/	14.70												
	Southwest Louisiana, Medium Grain 1/												
1973	17.10	19.60	22.65	29.50	29.85	30.00	30.00	30.00	30.00	30.00	25.00	23.00	26.40
1974	22.00	18.60	19.10	20.00	20.70	20.65	20.75	20.50	20.50	19.00	19.30	19.50	20.05
1975 2/	18.90	16.80	16.75	17.00	16.70	15.60	14.75	13.50	13.95	15.50	15.50	15.25	15.85
1976 2/	13.70												
	California, Medium Grain 3/												
1973	13.00	16.75	18.50	24.00	27.50	27.50	27.50	29.50	29.50	29.50	29.50	29.50	25.20
1974	29.50	28.20	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.70
1975 2/	26.25	26.25	24.25	24.25	24.25	23.50	22.70	19.65	18.70	19.00	19.00	16.80	22.05
1976 2/	16.80												
	California, Short Grain 3/												
1973	13.00	16.75	18.50	22.25	26.00	26.00	28.00	28.00	28.00	28.00	28.00	28.00	24.20
1974	28.00	26.80	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.40
1975 2/	25.00	25.00	23.00	23.00	23.00	22.25	21.40	17.85	17.15	17.50	17.50	15.15	20.65
1976 2/	15.15												

1/ U.S. No. 2--brokens not to exceed 4 percent. 2/ Preliminary. 3/ U.S. No. 1.

Agricultural Marketing Service, Grain Division.

Table 13.--Rice: Retail prices in leading cities of the United States, August-July, 1967-76

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Simple average
						Cents per pound							
						Long grain							
1967	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
1968	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
1969	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23
1970	.23	.23	.23	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
1971	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
1972	.24	.24	.24	.24	.24	.25	.25	.26	.26	.27	.27	.28	.25
1973	.28	.30	.34	.46	.49	.50	.52	.52	.53	.53	.54	.53	.46
1974	.53	.52	.51	.49	.48	.47	.47	.48	.47	.47	.47	.47	.49
1975	.47	.47	.46	.46	.46	.45	.45	.44	.44	.44	.44	.44	.45
1976	.43												
						Short grain							
1967	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19
1968	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19
1969	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19
1970	.19	.19	.19	.19	.19	.19	.20	.20	.20	.20	.20	.20	.20
1971	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20
1972	.20	.20	.20	.20	.20	.20	.21	.22	.23	.23	.24	.24	.21
1973	.24	.25	.28	.37	.41	.42	.43	.44	.45	.45	.45	.45	.39
1974	.44	.45	.44	.42	.42	.41	.42	.41	.41	.41	.41	.40	.42
1975	.41	.41	.41	.41	.41	.40	.38	.38	.38	.38	.38	.38	.39
1976	.37												

Compiled from reports of Bureau of Labor Statistics, Department of Labor.

Table 14.--Prices: California brewers rice and New York brewers corn grits, August-July 1973/74-1975/76

Month	California brewers rice			New York brewers corn grits		
	1973/74	1974/75	1975/76	1973/74	1974/75	1975/76
			Dollars per cwt.			
August	6.75	9.00	9.00	8.35	9.40	9.88
September	7.00	9.25	8.60	7.56	9.28	9.77
October	7.40	9.50	8.00	7.40	10.41	8.77
November	8.50	9.55	8.00	7.14	9.42	8.28
December	8.50	9.75	8.00	7.40	9.48	8.17
January	9.00	9.75	8.00	7.56	9.17	7.94
February	9.00	9.75	8.00	8.10	8.87	8.04
March	9.00	9.65	8.00	8.00	8.64	8.46
April	9.00	9.50	8.00	7.48	8.69	8.76
May	9.00	9.50	8.00	7.31	8.49	8.95
June	9.00	9.00	8.00	7.80	9.06	9.14
July	9.00	9.00	8.00	8.95	9.23	9.20
August-July average	8.43	9.43	8.13	7.75	9.18	8.78

Source: Rice Market News and Milling and Baking News.

Table 15.--Rice, milled: U.S. exports by destination August-July, 1970/71 - 1975/76 1/

Destination	1970/71	1971/72	1972/73	1973/74	1974/75	1975/76
			1,000 metric tons			
Western Hemisphere						
Bahamas	5	5	5	9	5	5
Canada	50	62	65	81	61	74
Honduras	2	2/	2/	1	11	1
Other	57	40	57	112	18	45
Total	114	107	127	203	95	125
Western Europe						
EC-9	161	105	169	161	129	233
Sweden	4	4	5	10	6	6
Switzerland	14	13	12	14	13	16
Other	5	2	5	25	3	72
Total	184	124	191	210	151	327
Eastern Europe						
Poland	---	---	---	17	20	9
Other	2/	---	---	---	---	---
Total	2/	---	---	17	20	9
USSR	---	---	---	---	10	63
Asia						
Bangladesh	---	75	4	2/	295	241
India	---	105	2/	---	2/	86
Indonesia	288	354	173	60	42	42
Iran	2/	19	34	42	451	163
Iraq	---	---	---	9	110	81
Japan	2/	2/	2/	23	19	11
Khmer, Rep. (Cambodia)	---	---	71	205	175	---
Korea, Rep. of	374	495	471	121	499	180
Pakistan	2/	109	2/	2/	4	2/
Saudi Arabia	50	82	57	94	72	132
Vietnam, South	227	146	360	301	---	---
Other	61	24	122	114	106	62
Total	1,000	1,409	1,292	969	1,773	998
Africa						
Guinea	15	18	1	1	17	12
Liberia	40	37	29	28	23	26
South Africa, Rep. of	81	82	83	86	65	95
Tanzania	2/	2/	---	---	31	---
Other	26	21	57	80	17	84
Total	162	158	170	195	153	217
Oceania						
Trust Terr. Pac. Is.	4	3	4	9	2	2
Other	10	6	4	5	2	3
Total	14	9	8	14	4	5
World total	1,474	1,807	1,788	1,608	2,206	1,744

1/ Includes all milled rice exports plus brown rice and rough rice exports on a milled equivalent basis.

2/ Less than 500 metric tons.

Source: Foreign Agricultural Service.

Table 16.--Rice: Export prices at Thailand by months, white f.o.b. Bangkok, 1973-76 1/

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Simple average
						Dollars per metric ton							
						100% 1st grade							
1973	---	---	---	---	---	566.65	595.00	622.50	654.00	650.00	622.50	549.00	608.50
1974	551.25	544.00	527.50	477.50	455.00	422.50	428.75	421.25	425.00	412.50	376.00	362.00	450.25
1975	382.50	391.00	385.00	358.75	345.00	315.50	277.50	275.00	270.00	270.00	263.60	266.00	316.65
1976 2/	270.00	293.75 3/											
						100% 2nd grade							
1973	---	---	---	---	---	551.65	580.00	607.50	639.00	635.00	607.50	534.00	593.50
1974	536.25	529.00	513.75	467.50	445.00	412.50	418.75	411.25	415.00	402.50	361.00	347.00	438.30
1975	367.50	376.00	370.00	343.75	330.00	296.25	261.25	260.00	260.00	260.00	253.60	256.00	302.85
1976 2/	259.00	278.75 3/											
						5% brokens							
1973	---	---	---	---	---	541.35	575.00	597.50	629.00	625.00	596.25	519.00	583.30
1974	521.25	514.00	498.75	452.50	430.00	397.50	403.75	396.25	400.00	387.50	344.00	327.00	422.70
1975	347.50	357.80	353.00	330.50	307.00	274.25	253.00	248.00	246.00	246.00	242.00	243.75	287.40
1976 2/	243.00	264.75 3/											

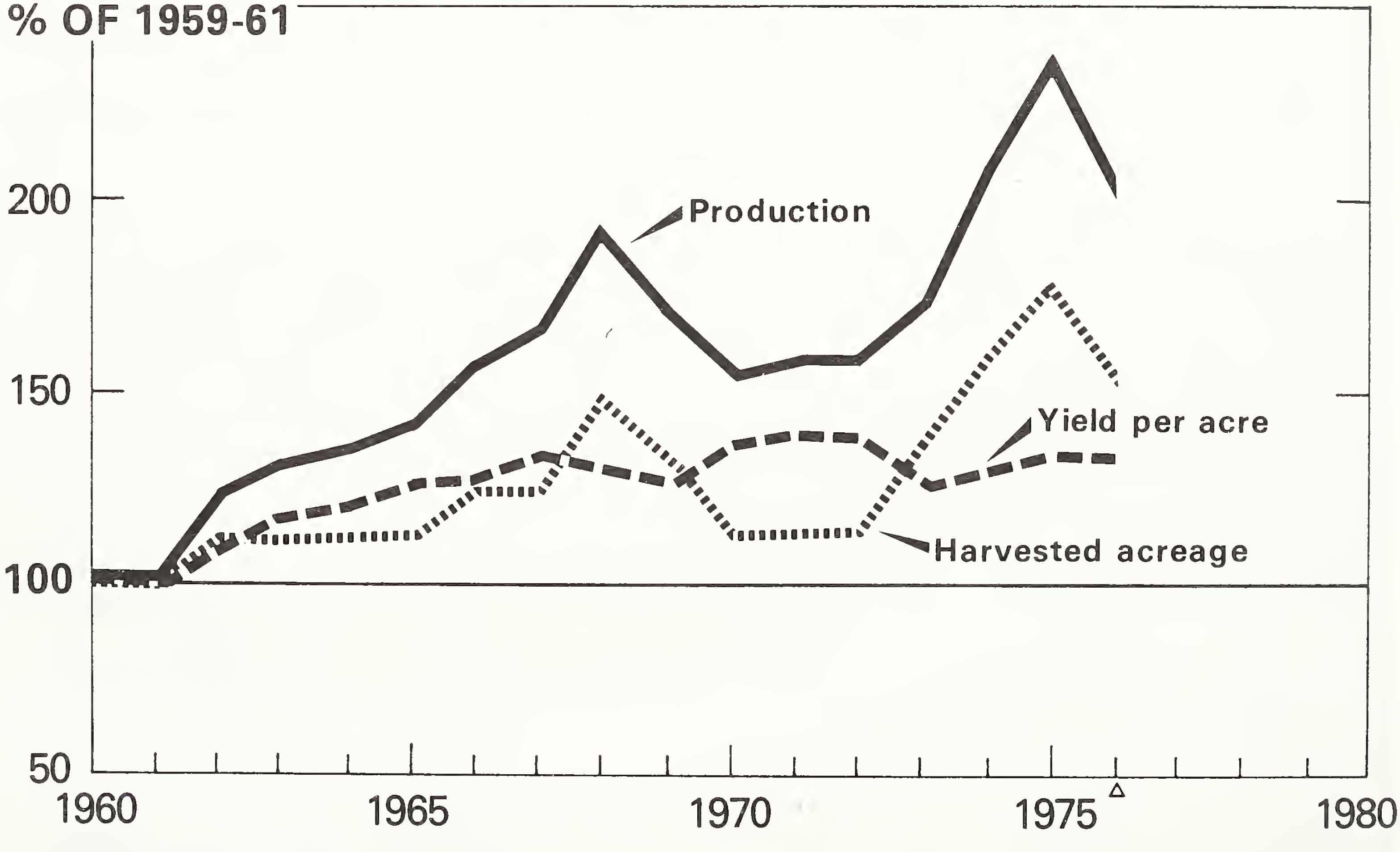
1/ Milled rice, includes export premium, export tax and cost of bags. Packed in bags of 100 kgs. net.

2/ Preliminary.

3/ Four week average.

AMS. Grain Division, from weekly Bulletins of San Francisco Market News.

RICE ACREAGE, YIELD, AND PRODUCTION*



*DOES NOT INCLUDE MINOR STATES.

△AUGUST INDICATIONS.

USDA

NEG. ERS 483-76 (9)

LIST OF TABLES

RICE

UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF
AGRICULTURE
AGR 101
FIRST CLASS

U.S.MAIL

NOTICE: If you don't want future issues of this ERS publication, check here ☐ and mail this sheet to the address below.

If your address should be changed, write your new address on this sheet and mail it to:

Automated Mailing List Section
Office of Plant and Operations
U.S. Department of Agriculture
Washington, D.C. 20250

RS-28 OCTOBER 1976

Weights, Measures and Conversion Factors

Bushel weights:
- Wheat & soybeans = 60 lbs.
- Corn, sorghum & rye = 56 lbs.
- Barley (grain) = 48 lbs.: malt = 34 lbs.
- Oats = 32 lbs.

Bushels to metric tons:
- Wheat & soybeans = bushels x .027216
- Barley = bushels x .021772
- Corn, sorghum, rye = bushels x .025400
- Oats = bushels x .014515

1 Metric ton equals:
- 2204.622 lbs.
- 22.046 hundredweight
- 10 quintals
- 1,000 kilograms
- 36.7437 bushels wheat or soybeans
- 39.3679 bushels corn, sorghum, or rye
- 45.9296 bushels barley
- 68.8944 bushels oats

Area:
- 1 Acre = .404694 hectares
- 1 Hectare = 2.4710 acres

Yields:
- Wheat = bushels per acre x 0.6725 = quintals per hectare
- Rye, corn = bushels per acre x 0.6277 = quintals per hectare
- Barley = bushels per acre x 0.5380 = quintals per hectare
- Oats = bushels per acre x 0.3587 = quintals per hectare

Rice Factors

1 cwt. = 2.22 bushels = .617 barrels = .0453 metric tons
1 bu. = .45 cwt. = .277 barrels = .0204 metric tons
1 barrel = 3.6 bu. = 1.62 cwt. = .0734 metric tons
1 metric ton = 48.992 bu. = 13.609 barrels = 22.046 cwt.
bu. per acre x 0.5044 = quintals per hectare
lbs. per acre x 0.01121 = quintals per hectare

1 cwt. rough rice = .032659 metric ton milled
1 metric ton milled = 30.6198 cwt. rough

Milling rates
- Rough to brown = 82%
- Rough to milled = 72%